Special Issue

Active Optics

Message from the Guest Editors

Over the past fifty years, active optics have provided high-deformation freeform surfaces (low-temporal-frequency) with extreme accuracy for large telescopes, spectrographs, and interferometers. Remote control positioning has also helped to improve image quality. This Special Issue of Photonics seeks contributions dealing with high-angular resolution imaging and optical designs with a reduced number of optical surfaces. Articles dealing with the following themes are welcome:

- Freeform mirror or reflective diffraction grating surfaces: multi-mode aberration correction, off-axis paraboloid, toroid, axisymmetric aspheric, variable curvature, etc.
- Freeform lens, lens-system, or refractive diffraction grating surfaces: toroid, coma correction, axisymmetric aspheric, deformable zoom lenses, etc.
- Remote control positioning surfaces.

Guest Editors

Prof. Dr. Gerard René Lemaitre

Prof. Dr. Xiangqun Cui

Dr. Andrew Rakich

Dr. Xin Wang

Deadline for manuscript submissions

closed (15 March 2023)

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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